

Figure 1A.

TLR11 DNA sequence

ATGCTGAAACAATATTCCTCTGCTTGACCAATTCTGGCTGCC
ATGGCTCACTCAGAGGATTCCCAGTAGAATCGATGCCAAGGGATGGAAAG
ACATCAGTTCTGCTCTGTTCTCCTCATTCTGATACTATTGACTCTGGAATA
GAAAAAAGTGCCTGCAAGTTGACTGGCTACTCTGAGCTCGTGCACTTGA
CCTTGGGAAAAACCAAATCCAAAACATCTGGAAAATGGAGAAATCCA
GGTTATAAAGCCCTGGAATTCCCTAGCCTCATGATAACCATCTGCAAAC
ACTTCCTACCAGGTTCTACATACTTACCCCCAGCTTCAGAAGCTCAACC
TATCTATGAATAAGCTTGGACCAATCTTGGAGCTTCCAGAAGGGACTCTT
AGCACAAACTAAAAGTCTAGATCTATCCCATAATCAACTCTGTGATGT
ACCCCATGGGGCTTCTCCCTTTGTACAGCTCCAGGAGCTCTGGITGA
GTGGCAATAACATCTCCAGTTATCCAATGAAAGCCTGCAGGGACTGAG
GCAGCTGAGGACACTAGACTTAAGTTGGAATCAAATTAAAGTACTCAA
CCAGGCTGGCTCTCATCTTCCCTGCTCTGACTACCTTGAACCTTCTGGGC
ACCTACTTAGAAAATATCTTAGGCATACAACATTCAAGGGTCCCAAGATGCT
AAGGCATCTACAACACTGGGTCTTATCCAATGCTGGACATATATCCTCCCT
GGCCCCAACACTCCTTAGCTAGAAATACAAGCAGAACATGTATTCA
GTTTATGATTCACAGTGGACAGCCATTCTATTCTTAGAGAACCTTACCT
TAGAGACTTCCATTCTATTACTAAAACCAGACAACATCACAAATTCAATT
CCCTCCCTGCGTCGCCTCACCTTGCCTGGCTACAGCTTCACTTCTCAACC
AGTCAACTTCAGAGATTCTCCCACAACAGCTTCCCTTCTGGAGCACTT
CTTATCTGGTGTGAAAACAGCTATGCAGTAGACCTCTATCTATTGGGA
TGCCCAGGCTACGTGTCTAGAGCTGGGGTACCTTAACCTTTCTATGAG
TCAAGTACTATGAAGCTAGAGATGCTATTGAAGGGAGGTACCTCAGTTAC
AGGTACTGGCATTGAGCACCTGAATCTCAGGAACCTCTGTGTCCAGC
TTAAGAGCTGCAGGACCTCAAACACTGCTGCTCTCAACTCTGAAAGGGC
GCTGGAGATGAACAGCAACCTCCAGGAGTTATTCTCAGATGCCCTCAG
TACGTTACTCTCTGATGTACCTTACTTGCCTGAGCTGTGAAGCTTCTGG
CTGGAGTCTGGGCTACACGGGCCAAACACATTGTTATGGCTGG
AAAATCCAATTGCATAGCTAATGCCTCAGACTACTCCAAAACCTACTAT
TCTCTTCTTGTACTAATTGTCACACGGTACTGAGTTTGGGGCTTTC
TCACCAGTTCTGCTGCTTGTGATTATCCTTCTGATTAGCT
GTCCTAAATGGCTGGCTTCATCACCTCTGGACACTCTTCAACTTGT
GGTGGAAATTATGTGGACATAGACTCAGAGGCCAATTCAACTATGATGT
CTTATATCCTATTGTGAGGAGGATCAAGCTGGGTGCTGGAAGAACTG
GTTCCAGTTCTGGAGAAAGCCCCCTCTGAAGGTGAAGGCTTGAGGTTGT
GCCTGCCCTGCCAGGGACTTGGGATTGGAAATGACAGGATGGAATCCAT
GATTGCCAGCATGGCAAAAGCAGAGCCACCCCTGTGTGCTCACAGGA
CAGGCCCTAGCAAGTCCCTGGTGAATCTAGAGTTACGACTGGCCACTTA
CCACTTGGTAGCCAGGCCTGGGACCACTCATCTCCCTGCTGTTCTGG
AGCCCCTGATAGGCAGAGGCTCCATAGTTACCATCGCCTATCCGTTGG
CTCCAGAAGGAGGACTATTTGATTGTCCTAAGGGAAAGTGGAGTGG
ACTCTTCTGTGAGCACTGAAGAGACGGCTCAGCAAAGCTGGACAAGA
AAGAGATTAA

Figure 1B.

TLR11 Protein sequence

MLKQYIPLAFAPIPGCPWLTQRIPSRIDAKDGKTSVLLCSPHSDTIDSGIEKVP
ASLTGYSELRALDLGKNQIQNILENGEIPGYKALEFLSLHDNHLQTLPTRFLH
TLPQLQKLNLSMNKLGPILELPEGLFSTNLKVLDLSHNQLCDVPHGAFSLLS
QLQELWLSGNNISSLSNESLQGLRQLRTLDLSWNQIKVLKPGWLSHLPALTT
LNLLGTYLENILGIQLQGPKMLRHILQLGSYPMLDIYPPWPPTLLSLEIQAESCI
QFMIHSGQPFLFLENLTLETSILLKPDNITIHFPSLRRRTLRGYSFIFSQLQR
FFPQQLPLLEHFFIWCENSYAVDLYLFGMPRLRVLELGYNFFYESSTMKLE
MLLKEVPQLQVLALSHLNLRNLSVSSFKSLQDLKLLLFNSERALEMNSNLQE
FIPQMPQYYFSDVTFTCQCEASWLESWATRAPNTFVYGLEKSICIANASDY
SKTLLFSFLATNCPHGTEFWGFLTSFILLLIILPLISCPKWSWLHHWTLFH
TCWWKLCGHRLRGQFYDVFISYCEEDQAWVLEELVPVLEKAPPEGEGLR
LCLPARDFGIGNDRMESMIAASMGKSRAATCVLTGQALASPWCNLELRLATY
HLVARPGTTHLLLLFLEPLDRQRLHSYHRLSRWLQKEDYFDLSQGKVEWNS
FCEQLKRRRLSKAGQERD

Figure 2A.

TLR12 DNA sequence

GGACCTTGCAGGTACTCTGAGGTGGATGAGAGTATTGGTAACCCGGAGG
CATAGGAGTCTAAAGTCCTCTCAGCTCTGATTCCCTGGTAGAGATGG
GCAGGTACTGGCTGCCAGGTCTCCTCCCTGCCCTGGTA
GGGTGGAGCACTCCAACCTGCCTGGTGACCGAAGGCTCCGACTGCC
TGGTCTCCCGCTATTACATTCTGCCGCCACTCCAAGCTATCCTTCTTG
CTGCATGCCCTCCGTGAGCAACCTGACACAGACCTGGAAGTTGTACCT
CGGACTGTGGAGGGCTGCCTCGGTGACTGTGTCTACTCTGCTTCC
AGATGCTTCTCTGCTTCCCTGGCTCAAGGTCTGGCACTGAGTCTGC
ACCTTACCCAACCTCTGCCAGGAGCTCTCGGGGCTGGGACAGTTGCAG
AGCCTCTCTTTTGACTCTCCTCTAGGAGATCTCTTCTACCTCCT
GATGCCTTCAGTGACCTGATTCCCTCCAGAGACTCCATACTCTGGCCC
TTGCCTGGATAAGAAGGCAGGCATCCGCCTGCCCTCCGGCTGCAATGG
CTGGGTGTCACGCTCAGTGCATTCAAGGACGTGGAGAGCTGGCTGGTA
TGGTCCCAGATCTGGTGCAAGGTTCCCTCAGGGTTCTGGGACCC
CAGAAGTGGATCTGTATCCAACCGGAAGCTGAAGATGGCTAGTC
GGTCCCTCCAGGGTCTCCAGGTGGAGATTCTGGACCTGACAAGAACACC
ACTGGATGCTGTGGCTGAAGGGCTGGACTTCAGAAACTCGATGTC
TTGTATGCACAGACTGCCACGGCGAGCTGGCTGCTGAGGCTGTTGCC
ACTTGAGCTGCAGGGCTTGATTGTGAAAGAAAGCAAGATAGGATCTAT
ATCTCAGGAGGCTCTGGCTTCCACAGCCTGAAGACCTTGGGCTT
CAAGCACTGGCTAACCAAGCTTCCACCAGGCTTCTGACTGCCATGCC
AGGCTTCAGCGACTGGAGCTGTCCGAAACCAACTGCAGAGGCCGTGC
TGTGCATGAATGAGACGGGAGATGTGTCAGGACTCACAACTCTGGATCT
GTCAGGCAACAGGTTGCGCATCCTGCCTCCAGGCCCTCTCCTGCTTAC
CCCACITGCGAGAGCTGCTGCTTGGTACAACCAGCTGCTTCCCTGGAG
GGATACCTATTCCAGGAGCTCCAGCAACTAGAGACCTGAAAGCTGGATG
GAAACCCCTGCTTACCTGGTAAGAACTGGTTGGCGGCTTGCC
TTGACCACCCCTAGCTGTAGATAACCAAATACGGATGAGCCCAGAGC
CTGGCTTCTGGGAGCAAAGAATCTGCATACCTTGAGCCTGAAGCTTCCC
GCTCTCCCTGCTCCGGCAGTATTGTCCTGCCATGTATGACCAGCTT
AGAGCTTCATATAGCCTCAGGCACGACGGAGCACTGGACGCTGCC
GAGATCTTCTTCCCTGGAGACCTGACTATAAGCAGGGGACTGA
AGCTGAAGCTGGGTCCCAGAATGCTTCTGGGTCTTCCCTGCTCTCCAG
AAGCTCTCCCTGCTTAAGAACAGCTTGGATGCCCTCTGCTCCCAGGGTAC
CTCCAACCTTTCTCTGGCAGCTCCCCAAACTCAGTCTTGAGGGTAT
GGGGTGTGAAACAGCTCCAGACCCCTGCCATTACTGGCTGCCAG
CCTACGGGAGCTGAAGCTGGCGTCGCTTCAGTCCATAACCCAGCCCCGTT
CGGTGCAGCTGGAGGGAGCTGGTGGGTGACCTCCACAGCTCCAGGCC
AGTGCTATCCAGCACAGGCCCTAAGTCACTGTCGGCCGCTGCTTCCAGC
GCCTGCACAGTCTCCAGGTCTTAGTGCTAGAATACGAGAAGGACTTGAT
GCTGCAGGACAGTCTGAGGGAGTACAGCCCTCAGATGCCCACTATATA
TACATTCTGGAGTCAAACCTGGCCTGCCACTGTGCCAATGCGTGGATGG
AGCCATGGGTAAGCGGTCCACTAAAACGTACATATACATAAGAGACAA
TCGCTTATGTCCAGGACAAGACAGGCTCTGCTAGGGTTCCCTCC

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Figure 2A (cont.)

CCTTCCTCTGGGACCACTGCCCGAGACGGAGCTGAAACTCTTTG
GCTAGTTCTGCCTTGGTGTTCATGCTAATTGCCTGCCTCCCTCCAAGAA
GCCAGGAACCTTGGATCCCTACCTGCAGGCCTGTCAGGGTTGGCT
CCAGGGTCTGAGGGTAAGGGAGACAAGGGAAAGAGGTTCTTCGAT
GTATTCGTGTCCCCTGCAGGCAAGACCAGGGCTGGGTGATAGAGGAAC
TTCTGCCTGCTCTGGAGGGCTTCCAGCTGGCTGGCCTGCGCCTC
TGTCTCCCCGAGCGTGAGTTGAGCCTGTAAGGATGTAGTTGATAATGT
GGTAGATAGCATGTTGAGCAGCCGTACCAACTCTGCGTGTGAGTGGG
CAGGCCCTGTGTAACCCCCGATGCCGCCTGGAGCTCCGCTTGGCACCTC
TCTCCTCTGGCTGCCCCGTCGGGTTACACAGACTGGCTCGGCTGC
ACCCATTCTCGGCACCAGCTCCGGTTACACAGACTGGCTCGGCTGC
TTCGAAGAGGAGACTACTGTCTGTGGCCGAGGAAGAGGAGAGAAAAGA
GTGGGTTCTGGACTTGGCTGAGGAGCAGGCTAGGGTAGCCATAGCCAGC
ACTGGTGTGGGTGGTGCATGTGAATTGGGTGGGTTGGG

Figure 2B.

TLR12 Protein sequence

MGRYWLLPGLLLSPVTGWSTSNCVTEGSRLPLVSRYFTFCRHSKLSFLA
ACLSVSNLQTLEVVPRTVEGLCLGGTVSTLLPDAFSAFPGLKVLALSLHLT
QLLPGALRGLGQLQSLSSFDSPRRSLFLPPDAFSDLISLQRLHISGPCLDKKA
GIRLPPGLQWLGVTLSCIQDVGEAGMFPDLVQGSSSRVSWTLQKLDLSSNR
KLKMASPGSLQGLQVEILDLTRPLDAVWLKGLGLQKLDVLYAQATATAEL
AAEAVAHFELQGLIVKESKIGSISQEALASCHSLKTLGLSSTGLTKLPPGFLT
AMPRRLQRLELSGNQLQSAVLCMNETGDVSGLTTLDLSGNRLRILPPAAFSC
PHLRELLLRYNQLLSLEGYLQFELQQLETLKLDGNPLLHLGKNWLAALPAL
TTLSSLDTQIRMSPEPGFWGAKNLHTLSKLPALPAPAVLFLPMYLTSELHI
ASGTTEHWTLSPEIFPSLETLTISGGGLKLKLGGSQNASGVFPALQKLSLLKNS
LDAFCSQGTSNLFLWQLPKLQSLRVWGAGNSSRPCLITGLPSLRELKLASLQ
SITQPRSVQLEELVGDLPQLQALVLSSTGLKLSAAAFQRLHSLQVLVLEYE
KDMLMLQDSLREYSPQMPHYIYILESNLACHCANAWMEPWVKRSTKTYIYIR
DNRLCPGQDRLSARGSLPSFLWDHCPQTLEKLFLASSALVFMLIALPLLQE
ARNSWIPIYLQALFRVWLQGLRGKGDKGKRFLFDVFVSHCRQDQGWVIEEL
LPALEGFLPAGLGLRLCLPEREFEPGKDVVNVDSMLSSRTTLCVLSGQAL
CNPRCRLELRLATSLLAAPSPPVLLVFLEPISRHQLPGYHRLARLLRRGDY
CLWPEEEERKSGFWTWLRSRLG

Figure 3.

